

CUMBERLAND RIVER BASIN

03426470 DRY CREEK NEAR EDENWOLD, TN

LOCATION.--Lat 36°17'04", long 86°42'23", Davidson County, Hydrologic Unit 05130202, on right wingwall on downstream side of bridge on Gallatin Pike, 0.6 mi southwest of Edenwold, 0.6 mi northeast of Amqui, and at mile 1.2.

DRAINAGE AREA.--7.64 mi².

PERIOD OF RECORD.--October 1996 to current year.

GAGE.--Data collection platform. Elevation of gage is 430 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges which are fair, and discharges above 1,000 ft³/s, which are poor. Periodic observations of water temperature and specific conductance are published in this report as miscellaneous water-quality data.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 7	0500	*3,460	*9.13	Apr 29	2315	2,990	8.89

Minimum discharge, 0.14 ft³/s, Oct. 1, 2.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.17	1.5	42	2.9	10	14	87	21	0.90	0.55	0.50	4.7
2	0.29	1.4	14	14	14	12	50	12	1.5	0.47	0.42	2.8
3	0.29	1.3	7.3	10	15	10	26	8.4	1.6	0.42	0.37	1.9
4	0.27	1.5	4.7	7.5	12	9.3	19	6.1	1.3	0.44	0.34	1.6
5	0.23	0.94	6.9	6.3	10	8.3	15	4.9	1.0	0.43	0.44	1.4
6	0.22	1.0	34	18	9.0	7.5	19	3.8	0.94	0.41	1.1	1.1
7	0.20	0.94	353	161	15	8.4	84	3.1	0.99	0.37	0.98	1.0
8	0.19	1.0	21	90	20	10	91	2.6	0.84	0.33	0.68	0.87
9	0.18	0.80	172	33	14	8.2	33	2.3	0.94	0.30	0.53	0.77
10	0.18	0.80	28	21	11	7.4	22	2.0	1.4	0.28	0.40	0.70
11	0.17	2.7	14	55	9.4	7.1	17	1.8	5.6	1.2	0.33	0.67
12	2.6	6.2	9.5	33	8.3	6.5	15	1.6	23	0.92	0.28	0.60
13	2.4	3.1	6.7	91	53	6.1	13	1.5	5.6	4.6	0.27	0.55
14	1.1	2.1	4.9	46	38	5.7	10	1.6	2.4	2.0	0.26	0.55
15	0.96	1.6	3.7	24	22	5.4	8.6	1.6	1.6	1.3	0.29	0.77
16	0.70	1.4	3.1	17	16	6.8	7.5	1.5	1.3	1.0	0.37	0.95
17	0.57	1.3	2.8	14	13	6.3	6.9	1.3	1.2	0.83	4.9	0.80
18	2.5	1.2	2.3	11	11	5.7	6.4	e1.2	0.99	0.67	2.3	0.73
19	5.6	1.2	2.1	9.7	9.3	5.3	6.1	e1.2	0.89	3.7	1.1	0.64
20	2.5	1.1	1.9	8.1	129	5.0	5.5	e1.2	0.79	1.7	1.2	0.58
21	1.2	1.1	1.8	7.1	188	4.9	5.3	1.4	0.75	1.1	0.92	0.49
22	0.78	1.0	85	6.2	44	5.3	8.1	1.3	0.63	6.6	0.66	0.44
23	18	2.1	91	5.5	25	14	6.3	1.2	0.57	2.0	0.53	0.43
24	10	100	14	5.3	19	8.3	5.3	1.0	0.49	1.2	0.40	0.41
25	3.6	9.6	8.6	5.1	15	7.1	5.0	1.0	0.49	0.96	0.55	0.59
26	2.7	4.9	6.0	5.2	12	6.4	6.3	0.94	0.47	0.73	0.97	1.3
27	2.9	3.7	4.7	4.5	11	29	6.1	0.86	0.73	2.2	0.98	0.87
28	2.7	3.2	4.0	4.6	17	43	7.2	0.81	0.92	1.5	0.89	0.67
29	2.3	2.5	3.7	33	---	23	157	0.79	0.75	1.0	2.2	0.62
30	2.1	257	3.6	18	---	16	198	0.83	0.67	0.77	101	0.55
31	1.6	---	3.3	13	---	16	---	0.79	---	0.63	13	---
TOTAL	69.20	418.18	959.6	780.0	770.0	328.0	946.6	91.62	61.25	40.61	139.16	30.05
MEAN	2.23	13.9	31.0	25.2	27.5	10.6	31.6	2.96	2.04	1.31	4.49	1.00
MAX	18	257	353	161	188	43	198	21	23	6.6	101	4.7
MIN	0.17	0.80	1.8	2.9	8.3	4.9	5.0	0.79	0.47	0.28	0.26	0.41
CFSM	0.29	1.82	4.05	3.29	3.60	1.38	4.13	0.39	0.27	0.17	0.59	0.13
IN.	0.34	2.04	4.67	3.80	3.75	1.60	4.61	0.45	0.30	0.20	0.68	0.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

	3.11	11.5	17.9	19.7	24.7	21.2	20.5	11.6	12.6	3.08	1.89	4.40
MEAN	3.11	11.5	17.9	19.7	24.7	21.2	20.5	11.6	12.6	3.08	1.89	4.40
MAX	10.1	30.8	34.2	49.9	55.9	57.0	48.5	27.5	47.3	12.9	4.49	17.7
(WY)	(2003)	(1997)	(1997)	(1999)	(2003)	(1997)	(1998)	(2003)	(1998)	(2002)	(2005)	(2003)
MIN	0.17	0.68	4.46	6.56	10.1	7.85	5.78	2.51	1.16	0.33	0.20	0.12
(WY)	(2001)	(1999)	(2000)	(2000)	(2002)	(2001)	(2001)	(2001)	(2000)	(2000)	(2000)	(1999)

03426470 DRY CREEK NEAR EDENWOLD, TN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1997 - 2005	
ANNUAL TOTAL	4,865.96		4,634.27		12.6	
ANNUAL MEAN	13.3		12.7		5.12	
HIGHEST ANNUAL MEAN					17.6	1997
LOWEST ANNUAL MEAN					5.12	2000
HIGHEST DAILY MEAN	481	Feb 5	353	Dec 7	679	Jun 5, 1998
LOWEST DAILY MEAN	0.16	Sep 26	0.17	Oct 1	0.02	Sep 8, 1999
ANNUAL SEVEN-DAY MINIMUM	0.17	Sep 25	0.20	Oct 5	0.04	Aug 20, 2000
MAXIMUM PEAK FLOW			3,460	Dec 7	6,360	Jun 5, 1998
MAXIMUM PEAK STAGE			9.13	Dec 7	10.21	Jun 5, 1998
INSTANTANEOUS LOW FLOW			a0.14	Oct 1	0.02	Aug 23, 2000
ANNUAL RUNOFF (CFSM)	1.74		1.66		1.65	
ANNUAL RUNOFF (INCHES)	23.69		22.56		22.42	
10 PERCENT EXCEEDS	21		23		21	
50 PERCENT EXCEEDS	3.2		2.6		3.2	
90 PERCENT EXCEEDS	0.42		0.48		0.37	

a Also occurred Oct. 2.
e Estimated

